

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX042823\
 Data File : VX035407.D
 Acq On : 28 Apr 2023 21:31
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By : John Carlone 04/29/2023
 Supervised By : Mahesh Dadoda 05/01/2023

Quant Time: Apr 29 00:45:32 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X042523W.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 25 16:31:40 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.550	168	254448	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	407438	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	362825	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	177987	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	151753	49.435	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	98.860%		
35) Dibromofluoromethane	5.385	113	125885	50.339	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	100.680%		
50) Toluene-d8	8.647	98	462161	48.991	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	97.980%		
62) 4-Bromofluorobenzene	11.079	95	176568	49.755	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	99.500%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.166	85	132796	49.323	ug/l	99
3) Chloromethane	1.294	50	110650	45.177	ug/l	99
4) Vinyl Chloride	1.374	62	115179	46.887	ug/l	99
5) Bromomethane	1.617	94	72550	44.435	ug/l	95
6) Chloroethane	1.691	64	65569	45.638	ug/l	99
7) Trichlorofluoromethane	1.886	101	187454	48.797	ug/l	99
8) Diethyl Ether	2.130	74	67895	48.474	ug/l	93
9) 1,1,2-Trichlorotrifluo...	2.331	101	120931	47.133	ug/l	95
10) Methyl Iodide	2.453	142	149392	46.135	ug/l	98
11) Tert butyl alcohol	3.020	59	135260	241.993	ug/l #	92
12) 1,1-Dichloroethene	2.319	96	120005	48.559	ug/l	97
13) Acrolein	2.239	56	151057	274.808	ug/l	99
14) Allyl chloride	2.666	41	205618	47.279	ug/l	98
15) Acrylonitrile	3.068	53	327051	233.947	ug/l	100
16) Acetone	2.392	43	281539	211.167	ug/l	100
17) Carbon Disulfide	2.514	76	273436	46.155	ug/l	99
18) Methyl Acetate	2.703	43	246935	47.896	ug/l	96
19) Methyl tert-butyl Ether	3.111	73	427119	50.377	ug/l	97
20) Methylene Chloride	2.788	84	137517	44.983	ug/l	93
21) trans-1,2-Dichloroethene	3.093	96	127797	47.614	ug/l	97
22) Diisopropyl ether	3.757	45	417346	48.494	ug/l	94
23) Vinyl Acetate	3.721	43	1465394	247.715	ug/l	98
24) 1,1-Dichloroethane	3.611	63	237610	49.015	ug/l	99
25) 2-Butanone	4.562	43	438300	225.230	ug/l	94
26) 2,2-Dichloropropane	4.477	77	172137	45.325	ug/l	100
27) cis-1,2-Dichloroethene	4.489	96	154267	48.896	ug/l	93
28) Bromochloromethane	4.903	49	89634	43.389	ug/l	84
29) Tetrahydrofuran	5.013	42	283240	227.049	ug/l	94
30) Chloroform	5.092	83	244325	49.926	ug/l	99
31) Cyclohexane	5.470	56	206989	47.534	ug/l	99
32) 1,1,1-Trichloroethane	5.385	97	214901	50.108	ug/l	96
36) 1,1-Dichloropropene	5.690	75	181293	46.429	ug/l	98
37) Ethyl Acetate	4.708	43	171482	48.083	ug/l	95
38) Carbon Tetrachloride	5.678	117	184240	49.703	ug/l	98
39) Methylcyclohexane	7.379	83	217437	45.747	ug/l	99
40) Benzene	6.037	78	534444	47.712	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.922	41	98339	48.122	ug/l	97
42) 1,2-Dichloroethane	6.086	62	191933	48.057	ug/l	98
43) Isopropyl Acetate	6.336	43	288108	48.077	ug/l	95
44) Trichloroethene	7.123	130	148571	48.147	ug/l	94
45) 1,2-Dichloropropane	7.427	63	137749	48.778	ug/l	97
46) Dibromomethane	7.580	93	94781	48.874	ug/l	93
47) Bromodichloromethane	7.818	83	180189	50.430	ug/l	97
48) Methyl methacrylate	7.690	41	144259	49.075	ug/l	91
49) 1,4-Dioxane	7.720	88	69065	963.893	ug/l #	93
51) 4-Methyl-2-Pentanone	8.574	43	863049	234.419	ug/l	96
52) Toluene	8.720	92	341306	48.069	ug/l	99
53) t-1,3-Dichloropropene	8.976	75	193200	51.776	ug/l	98
54) cis-1,3-Dichloropropene	8.366	75	216613	51.359	ug/l	91
55) 1,1,2-Trichloroethane	9.153	97	135579	47.899	ug/l	97
56) Ethyl methacrylate	9.116	69	213960	50.743	ug/l	89
57) 1,3-Dichloropropane	9.305	76	232497	48.023	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.244	63	530653	251.693	ug/l	94
59) 2-Hexanone	9.427	43	642095	232.153	ug/l	94
60) Dibromochloromethane	9.518	129	141131	52.040	ug/l	99
61) 1,2-Dibromoethane	9.610	107	142259	48.753	ug/l	99
64) Tetrachloroethene	9.275	164	130545	46.991	ug/l	99
65) Chlorobenzene	10.079	112	368118	46.895	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.165	131	136128	49.829	ug/l	98
67) Ethyl Benzene	10.195	91	653552	48.076	ug/l	100
68) m/p-Xylenes	10.299	106	497718	95.549	ug/l	99
69) o-Xylene	10.640	106	243849	47.739	ug/l	99
70) Styrene	10.652	104	409571	49.453	ug/l	98
71) Bromoform	10.799	173	98781	51.983	ug/l #	100
73) Isopropylbenzene	10.963	105	644717	49.553	ug/l	99
74) N-amyl acetate	10.841	43	247705	50.661	ug/l	94
75) 1,1,2,2-Tetrachloroethane	11.213	83	196022	48.541	ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	159161m	44.829	ug/l	
77) Bromobenzene	11.195	156	160783	49.714	ug/l	91
78) n-propylbenzene	11.305	91	724272	48.470	ug/l	99
79) 2-Chlorotoluene	11.366	91	445523	47.714	ug/l	98
80) 1,3,5-Trimethylbenzene	11.451	105	536428	48.897	ug/l	97
81) trans-1,4-Dichloro-2-b...	11.018	75	51818	47.270	ug/l	99
82) 4-Chlorotoluene	11.457	91	508691	48.506	ug/l	98
83) tert-Butylbenzene	11.713	119	532612	48.387	ug/l	98
84) 1,2,4-Trimethylbenzene	11.750	105	542864	49.249	ug/l	100
85) sec-Butylbenzene	11.890	105	639558	47.368	ug/l	99
86) p-Isopropyltoluene	12.006	119	551784	48.051	ug/l	98
87) 1,3-Dichlorobenzene	11.969	146	294102	47.851	ug/l	99
88) 1,4-Dichlorobenzene	12.042	146	293247	45.506	ug/l	100
89) n-Butylbenzene	12.329	91	441419	45.536	ug/l	99
90) Hexachloroethane	12.536	117	88627	50.418	ug/l	87
91) 1,2-Dichlorobenzene	12.335	146	294866	47.967	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	12.945	75	40181	49.621	ug/l	80
93) 1,2,4-Trichlorobenzene	13.585	180	183112	47.389	ug/l	98
94) Hexachlorobutadiene	13.725	225	74880	44.156	ug/l	98
95) Naphthalene	13.774	128	607221	51.047	ug/l	100
96) 1,2,3-Trichlorobenzene	13.963	180	179368	46.113	ug/l	99

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(#) = qualifier out of range (m) = manual integration (+) = signals summed

